

RESEARCH, DEVELOPMENT & TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT

Wisconsin Department of Transportation
DT1241 7/2010

INSTRUCTIONS:

Research project investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT research program category: <input type="checkbox"/> Policy research <input type="checkbox"/> Other <input checked="" type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Pooled fund TPF#		Report period year: 2011 <input checked="" type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)
Project title: Foundation Movements for Transportation Structures		
Project investigator: James Schneider	Phone: 608-890-2662	E-mail: james@cae.wisc.edu
Administrative contact: Peg Lafky	Phone: 608-266-3633	E-mail:
WisDOT contact: Robert Arndorfer	Phone: 608-246-7940	E-mail:
WisDOT project ID: 0092-09-05	Other project ID:	Project start date: 2/5/2009
Original end date: 2/5/2012	Current end date: 2/5/2012	Number of extensions: 0

Project schedule status:

☐ On schedule ☐ On revised schedule ☐ Ahead of schedule ☒ Behind schedule

Project budget status:

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$109,893.00	\$118.41	\$46,110.75	42%	40%

Project description:

The overall research objective of this study is to produce a document summarizing simplified design procedures for evaluation of foundation movements for transportation structures within the LRFD framework. Recommendations for the measurement and selection of input parameters for those design procedures will also be provided.

Progress this quarter (includes meetings, work plan status, contract status, significant progress, etc.):

The main activities this quarter included continued monitoring of load measurements at each site and analysis of existing data.

Anticipated work next quarter:

Continued data measurement and processing are planned for this quarter.

Circumstances affecting project or budget:

No additional circumstances this quarter.

Insert Gantt chart and other project documentation – attach additional pages if necessary
[see attached sheet](#)

FOR WISDOT USE ONLY

Staff receiving QPR:	Date received:
Staff approving QPR:	Date approved:

	Oct 2008 - Sept 2009				Oct 2009 - Sept 2010				Oct 2010 - Sept 2011				2011/2012	
Activity	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Task 1 - Literature Review / Database development & interpretation														
Commence Project			X											
Develop database of load tests			●											
Analyze existing methods			●											
FE parametric studies			●											
Develop list of potential field sites														●
Assess appropriate instrumentation			●											
Task 2 - Field monitoring and interpretation														
Field testing for shallow foundations			●											●
Field testing for deep foundations			●											●
Field testing for lateral piles analysis			●											●
Data compilation and analysis														●
Reporting	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Quarterly			X	X	X	X	X	X	X	X	X	X	X	X
POT Review						X							X	
Literature Review												D	F	
Final Report													D	F

D = Draft Report; F = Final Report
Project not started until February 2009